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(FILE 'HOME' ENTERED AT 09:53:21 ON 12 FEB 2009)

FILE 'REGISTRY' ENTERED AT 09:53:33 ON 12 FEB 2009

L1 STRUCTURE UPLOADED

D

L2 78 SEA SSS FUL L1

FILE 'ZCAPLUS' ENTERED AT 09:54:39 ON 12 FEB 2009

L3 41 SEA ABB=ON PLU=ON L2

L4 14 SEA ABB=ON PLU=ON L3 AND (PD<=20030528 OR PRD<=20030528)

L5 12 SEA ABB=ON PLU=ON L4 AND (PD<=20020530 OR PRD<=20020530)

D L5 1-12 IBIB HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 FEB 2009 HIGHEST RN 1104680-36-5

DICTIONARY FILE UPDATES: 11 FEB 2009 HIGHEST RN 1104680-36-5

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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FILE ZCAPLUS

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FILE LAST UPDATED: 11 Feb 2009 (20090211/ED)

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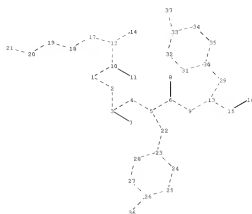
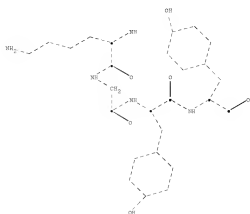
This file contains CAS Registry Numbers for easy and accurate substance identification.

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L2 78 SEA FILE=REGISTRY SSS FUL L1
L3 41 SEA FILE=ZCAPLUS ABB=ON PLU=ON L2
L4 14 SEA FILE=ZCAPLUS ABB=ON PLU=ON L3 AND (PD<=20030528 OR
PRD<=20030528)
L5 12 SEA FILE=ZCAPLUS ABB=ON PLU=ON L4 AND (PD<=20020530 OR
PRD<=20020530)



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 29 36 37

ring nodes :

23 24 25 26 27 28 30 31 32 33 34 35

chain bonds :

1-2 1-10 2-3 3-4 3-7 4-5 5-6 5-22 6-8 6-9 9-13 10-11 10-12 12-14 12-17 13-15
13-29 15-16 17-18 18-19 19-20 20-21 22-23 26-36 29-30 33-37

ring bonds :

23-24 23-28 24-25 25-26 26-27 27-28 30-31 30-35 31-32 32-33 33-34 34-35

exact/norm bonds :

1-2 1-10 2-3 3-4 3-7 4-5 5-6 5-22 6-8 6-9 9-13 10-11 10-12 12-14 12-17 13-15
13-29 15-16 17-18 18-19 19-20 20-21 22-23 23-24 23-28 24-25 25-26 26-27 26-36
27-28 29-30 30-31 30-35 31-32 32-33 33-34 33-37 34-35

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS
30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:CLASS 37:CLASS

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(FILE 'HOME' ENTERED AT 15:35:38 ON 12 FEB 2009)

L1 FILE 'REGISTRY' ENTERED AT 15:35:45 ON 12 FEB 2009
STRUCTURE UPLOADED
D
L2 1 SEA SSS FUL L1
D L2 SQIDE

FILE 'ZCAPLUS' ENTERED AT 15:36:31 ON 12 FEB 2009
L3 1 SEA ABB=ON PLU=ON L2
D CBIB
D IBIB
D HITSTR

FILE 'HOME' ENTERED AT 15:58:17 ON 12 FEB 2009

FILE HOME

FILE REGISTRY

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FILE COVERS 1907 - 12 Feb 2009 VOL 150 ISS 7
FILE LAST UPDATED: 11 Feb 2009 (20090211/ED)

ZCPlus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

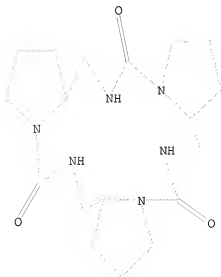
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L1

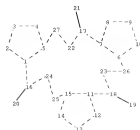
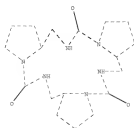
STR



Structure attributes must be viewed using STN Express query preparation.

L2 1 SEA FILE=REGISTRY SSS FUL L1

L3 1 SEA FILE=ZCAPLUS ABB=ON PLU=ON L2



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chain nodes :
  19 20 21
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 22 23 24 25 26 27
chain bonds :
  16-20 17-21 18-19
ring bonds :
  1-2 1-5 1-16 2-3 3-4 4-5 5-27 6-7 6-10 6-26 7-8 7-17 8-9 9-10 11-12 11-15 11-18
  12-13 13-14 14-15 15-25 16-24 17-22 18-23 22-27 23-26 24-25
exact/norm bonds :
  1-2 1-5 1-16 2-3 3-4 4-5 5-27 6-7 6-10 6-26 7-8 7-17 8-9 9-10 11-12 11-15 11-18
  12-13 13-14 14-15 15-25 16-20 16-24 17-21 17-22 18-19 18-23 22-27 23-26 24-25

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Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
  12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS
  22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom

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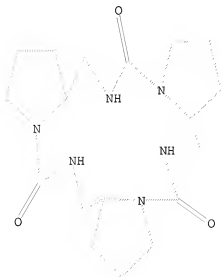
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L1

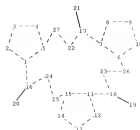
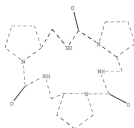
STR



Structure attributes must be viewed using STN Express query preparation.

L2 1 SEA FILE=REGISTRY SSS FUL L1

L3 1 SEA FILE=ZCAPLUS ABB=ON PLU=ON L2



```

chain nodes :
  19 20 21
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 22 23 24 25 26 27
chain bonds :
  16-20 17-21 18-19
ring bonds :
  1-2 1-5 1-16 2-3 3-4 4-5 5-27 6-7 6-10 6-26 7-8 7-17 8-9 9-10 11-12 11-15 11-18
  12-13 13-14 14-15 15-25 16-24 17-22 18-23 22-27 23-26 24-25
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  12-13 13-14 14-15 15-25 16-20 16-24 17-21 17-22 18-19 18-23 22-27 23-26 24-25

```

```

Match level :
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  12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS
  22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom

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